Resource Summary Report

Generated by T1D on Aug 25, 2026

ApiDB ToxoDB

RRID:SCR_013453
Type: Tool

Proper Citation

ApiDB ToxoDB (RRID:SCR_013453)

Resource Information

URL: http://toxodb.org/toxo/

Proper Citation: ApiDB ToxoDB (RRID:SCR_013453)

Description: A genome and functional genomic database for the protozoan parasite Toxoplasma gondii. It incorporates the sequence and annotation of the T. gondii ME49 strain, as well as genome sequences for the GT1, VEG and RH (Chr Ia, Chr Ib) strains. Sequence information is integrated with various other genomic-scale data, including community annotation, ESTs, gene expression and proteomics data. Organisms * Toxoplasma gondii (ME49, RH, GT1, Veg strains) * Neospora caninum * environmental isolate sequences from numerous species Tools * BLAST: Identify Sequence Similarities * Sequence Retrieval: Retrieve Specific Sequences using IDs and coordinates * PubMed and Entrez: View the Latest Toxoplasma, Neospora Pubmed and Entrez Results * Genome Browser: View Sequences and Features in the genome browser * Ancillary Genome Browse: Access Additional info like Probeset data and Toxoplasma Array info

Abbreviations: ApiDB ToxoDB

Synonyms: Toxoplasma Genomics Resource, ToxoDB

Resource Type: data or information resource, database

Defining Citation: PMID:18003657, PMID:12519989

Keywords: end-sequencing, bac clone, data mining tool, microarray, proteomic sequencing, toxoplasma gondii, bac clone, 8x random shotgun, genomic sequencing project, snp, qtl, sequencing, genomic, non-vertebrate, unicellular, eukaryote, genome, pathogen, toxoplasmosis, bio.tools, FASEB list

Funding: NIAID contract HHSN266200400037C

Resource Name: ApiDB ToxoDB

Resource ID: SCR_013453

Alternate IDs: r3d100012266, biotools:toxodb, nif-0000-03572

Alternate URLs: https://bio.tools/toxodb

Old URLs: http://ToxoDB.org

Record Creation Time: 20220129T080316+0000

Record Last Update: 20260821T194009+0000

Ratings and Alerts

No rating or validation information has been found for ApiDB ToxoDB.

No alerts have been found for ApiDB ToxoDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 153 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Tian X, et al. (2026) The role of TgEfhc3 in Toxoplasma gondii biology and its prospects as a subunit vaccine. Parasites & vectors, 19(1).

Gurupwar R, et al. (2026) Parasite-specific essential bromodomain protein TgBDP4 is a key epigenetic reader and a potential drug target for the parasite Toxoplasma gondii. The Journal of biological chemistry, 302(7), 113160.

Silva EMC, et al. (2026) Bivalve mollusks as sentinels: Molecular detection of Toxoplasma gondii on Maranh??o Island in northeastern Brazil. International journal for parasitology. Parasites and wildlife, 30, 101241.

Vanni I, et al. (2026) Exploring the repertoire of rhomboid proteases in Cryptosporidium parvum parasite: phylogenesis, structural motifs, and cellular localization in sporozoite cells. Frontiers in cellular and infection microbiology, 16, 1733450.

Su W, et al. (2025) A novel YGGT family protein is localized in the apicoplast and is essential for the organelle inheritance. Frontiers in cellular and infection microbiology, 15, 1642716.

Lu XS, et al. (2025) Molecular Prevalence and Genotyping of Toxoplasma gondii in Sheep Tissues Intended for Human Consumption in Shanxi Province, North China. Animals : an open access journal from MDPI, 15(12).

Aswale KR, et al. (2025) RNA triphosphatase-mediated mRNA capping is essential for maintaining transcript homeostasis and the survival of Toxoplasma gondii. Nature communications, 16(1), 5452.

Kashyap P, et al. (2025) Deletion of splicing factor Cdc5 in Toxoplasma disrupts transcriptome integrity, induces abortive bradyzoite formation, and prevents acute infection in mice. Nature communications, 16(1), 3769.

Charital S, et al. (2024) The acyl-CoA synthetase TgACS1 allows neutral lipid metabolism and extracellular motility in Toxoplasma gondii through relocation via its peroxisomal targeting sequence (PTS) under low nutrient conditions. mBio, 15(4), e0042724.

Wang F, et al. (2024) Construction of luciferase-expressing Neospora caninum and drug screening. Parasites & vectors, 17(1), 118.

Gennari SM, et al. (2024) A population study of Toxoplasma gondii in the Amazon region expands current knowledge of the genetic diversity in South America. PLoS neglected tropical diseases, 18(12), e0012737.

Nan H, et al. (2024) Identification and function characterization of NcAP2XII-4 in Neospora caninum. Parasites & vectors, 17(1), 392.

Vilela VLR, et al. (2024) An abortion storm in a goat farm in the Northeast Region of Brazil was caused by the atypical Toxoplasma gondii genotype #13. Current research in parasitology & vector-borne diseases, 5, 100157.

Feitosa TF, et al. (2024) Genetic diversity of Toxoplasma gondii in goats and sheep from the Northeast Region of Brazil destined for human consumption. Current research in parasitology & vector-borne diseases, 5, 100163.

Dong H, et al. (2024) The Toxoplasma monocarboxylate transporters are involved in the metabolism within the apicoplast and are linked to parasite survival. eLife, 12.

Amorim da Silva R, et al. (2024) Isolation and genetic characterization of Toxoplasma gondii from chickens from public markets in Pernambuco State, Brazil. Current research in parasitology & vector-borne diseases, 6, 100207.

Dini FM, et al. (2024) Multiple Typing Approach to Characterize Toxoplasma gondii Strains from Captive and Livestock Species in Northern Italy Suggests the Circulation of Type-II Variants. Animals : an open access journal from MDPI, 14(24).

Zhang Y, et al. (2024) A novel mRNA vaccine, TGGT1_278620 mRNA-LNP, prolongs the survival time in BALB/c mice with acute toxoplasmosis. Microbiology spectrum, 12(1), e0286623.

Yi XL, et al. (2024) Seroprevalence and molecular detection of Toxoplasma gondii and Neospora caninum in beef cattle and goats in Hunan province, China. Parasites & vectors, 17(1), 195.

Li C, et al. (2024) Toxoplasma sortilin interacts with secretory proteins and it is critical for parasite proliferation. Parasites & vectors, 17(1), 105.